[redacted] A(1-, 7/5/7

18 September 1951

MEMORANDUM TO THE FILE

SUBJECT: Progress on analysis a[redacted]
14 September 1951

4-B/3

A

C 1. [redacted] was ill, and [redacted] was met by his associate, [redacted], who gave him the following information relative to the sample given to [redacted] on 7 September in [redacted]

C 2. [redacted] had been given the sample without any written material accompanying. He and a[redacted] were working on it as a blind analytical problem. He stated that [redacted] had discussed the sample with [redacted], but he did not know the nature of their discussion. [redacted] had not received any of the sample and was not to do any work until the [redacted] had completely finished their examination.

H-B/6

a. The tube contained mostly air.

b. A few drops of gelatinous white fluid were obtained.

c. Microscopic examination showed the presence of one-celled vegetable matter. (Probably a contamination).

d. The tube was unrolled and examined under ultra violet light. There is no marking on it.

e. There were large quantities of a crystalline material identified as calcium sulphate.

(1) This probably rules out the material being a biological.

(2) It could very well be the calcium complex of an alkaloid.

f. An absorption curve has been run over the whole range as a start on spectrographic analysis. The area of the ultra violet is first being investigated. The sample had a characteristic peak at 290 millimicrons:

(1) This eliminated sodium barbital.

(2) It is probably not a barbiturate.

C g. It is not scopolamine. [redacted] sells scopolamine as an ophthalmic agent. [redacted] has worked often on this and tried it in this connection. Its peak is about 250 millimicrons and of a very distinctive shape.

[redacted]

h. During the next few working days they will run comparative spectra on many drugs:

(1) [redacted] could not give a complete list of what they would try.

(2) They would try:

atropine
morphine
quinine
benzidrine
certain barbiturates

C

(3) [redacted] would, after talking to [redacted], try many others.

i. The presently planned tests will take up until Wednesday 19 September, when we will phone [redacted]

j. [redacted] could give no information as to the problem of financial remuneration for the company.

A [redacted]